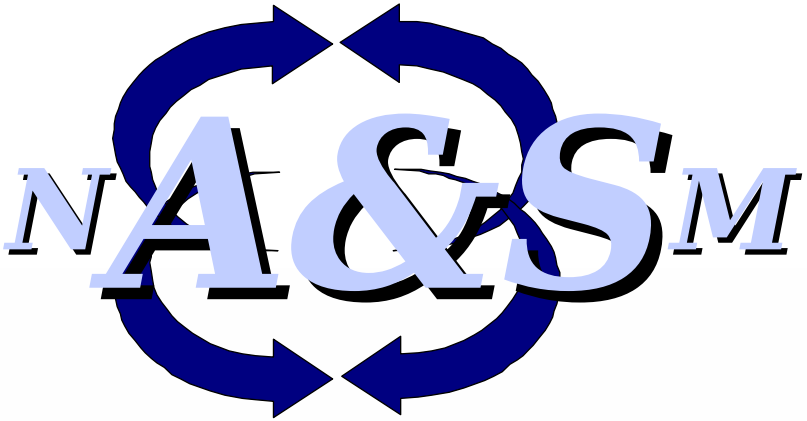
National Air and Space Model (NASM)
and
Joint Simulation System (JSIMS)

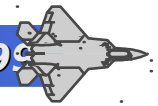


Guy Giroux

NASM Program Manager and JSIMS A&S DA

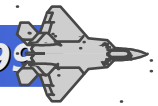
ESC/CXC
Hanscom AFB, MA 01731-2116

Overview



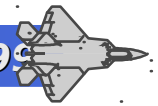
- **NASM Program Office**
  - **Where we fit within JSIMS**
  - **Where are we in ESC**
  - **Relationship with AFAMS**
- **Other related programs**

NASM within JSIMS



- **The JSIMS Enterprise consists of**
  - **Management Oversight**
  - **Joint Program Office**
  - **Executive Agents (EA)**
  - **Development Agents (DA)**
  - **Development Agent Contractors (DAC)**
- **The Air Force is represented at all levels**
  - **AFPEO/AT, JSIMS Decision Council (JDC)**
  - **AF military personnel within JPO**
  - **USAF/XOC as Air and Space EA (AFAMS, day-to-day)**
  - **NASM SPO as A&S DA**
  - **NASM SPO directs A&S DAC**

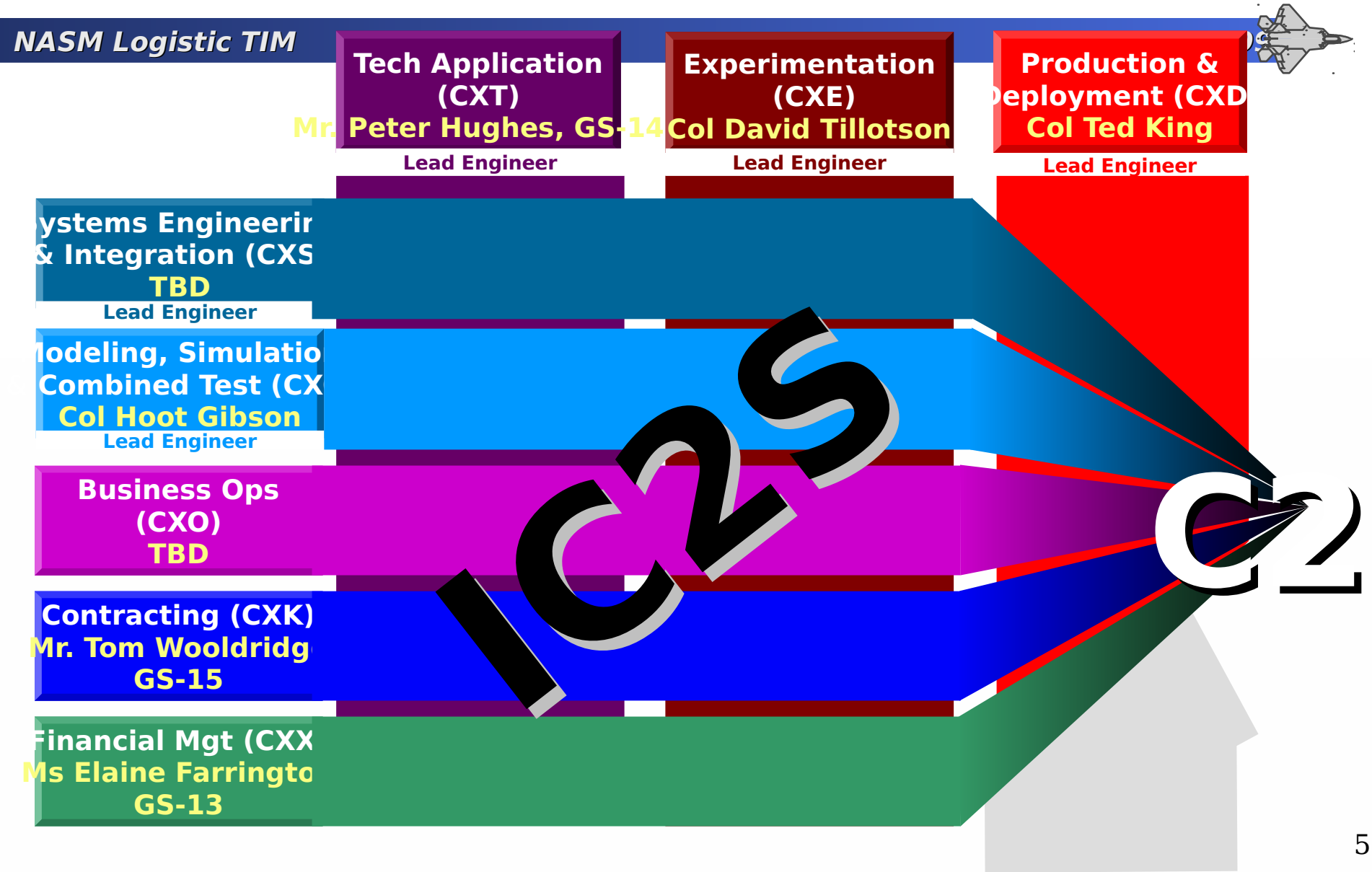
NASM within ESC and PEO



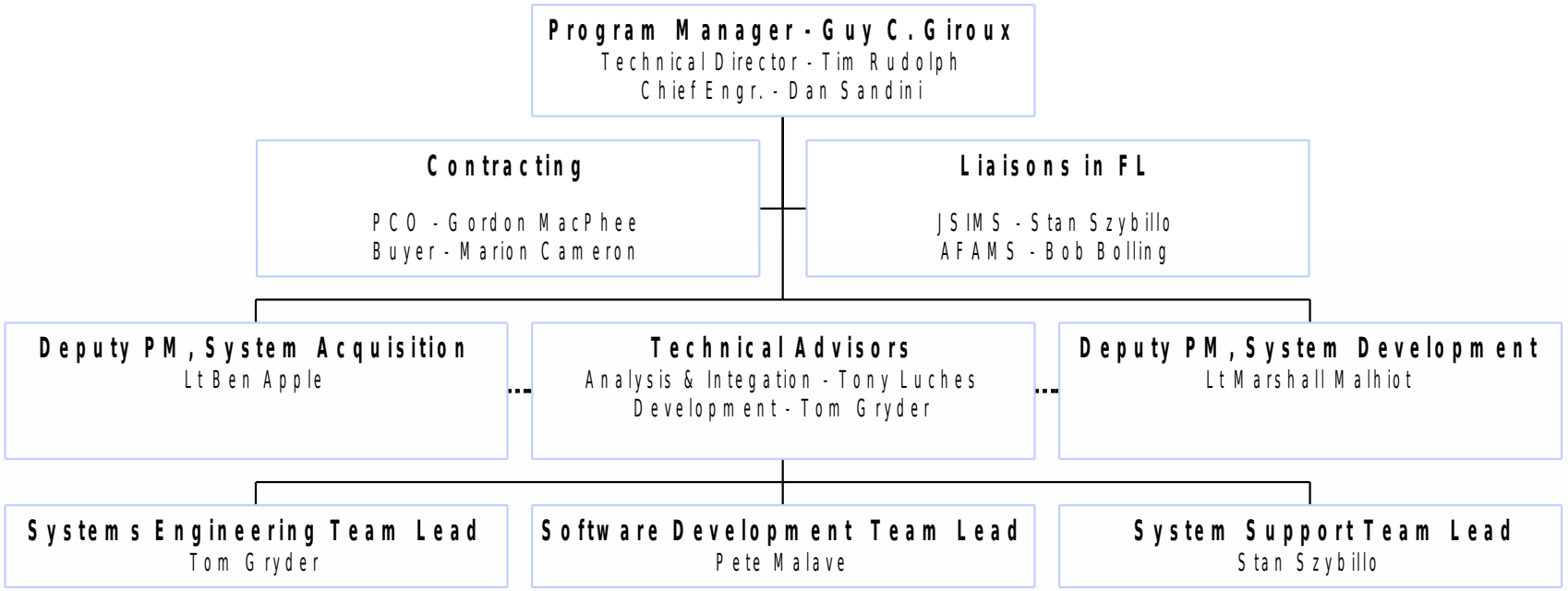
- **ESC provides the NASM with**
  - **Staff/personnel**
  - **Offices**
  - **Acquisition and legal support**
- **NASM is a Program Executive Office (PEO)/Airlift and Trainers program**
- **AFPEO/AT provides NASM with**
  - **Program direction**
  - **Acquisition decisions**

NA&SM

ol Mahan - Systems Program Direct
Mr. Tonelli - Deputy SPD
r. Nordstrom - Directorate Chief Enginee
Capt Holly Stifflemire - Executive Officer

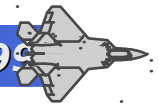


NASM Program Office Organization



- **Both DA & DA Contractor Organizations Mirror the Alliance at the Team level**

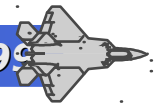
Relationship to AFAMS



- **The Air Force, through the Air and Space (A&S) Executive Agent (EA, AFAMS) represents all Air Force requirements**
  - **Continually stress Logistics requirements**
  - **Information Operation (IO) Attribute Lead**

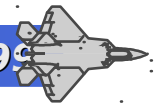
- **The Air Force, through the A&S Development Agent (DA, ESC) develop NASM and JSIMS functionality**
  - **AF weapons systems, C2, C4I, ISR**
  - **Civilian Environment**
  - **Continually stress Logistics implementation**

Related Programs
Warrior Preparation Center



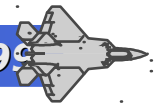
- Acquired 1st models, and first computers
- Expanded from stand-alone to network
- Distributed Wargaming System (DWS)
- SATCOM
- C4I Interface: Sembach Air Situation Display
- Video Teleconferencing Capability (VTC)
- Exercise Support Team

Related Programs
Battlestaff Training School



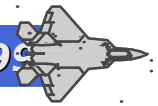
- **DWS II**
  - **Re-Engineered the tactical shelter-sized DWS down into 2-person transportable, rugged containers**
- **VTC**
  - **Transitioned VTC capability**
    - **Established new business area in secure VTC and C2**
- **Warrior Flag ‘90: 23 Jul-3 Aug 90; Desert Storm**
  - **Overall system engineering**
  - **All acquisition support**
  - **All exercise support**

Related Programs Other



- **DMSO**
  - **Past and continued engineering and acquisition support**
- **DARPA**
  - **Advanced Distributed System (ADS)**
  - **High Level Architecture (HLA)**
  - **Aggregate Level Simulation Protocol (ALSP)**

Related Programs Others Efforts

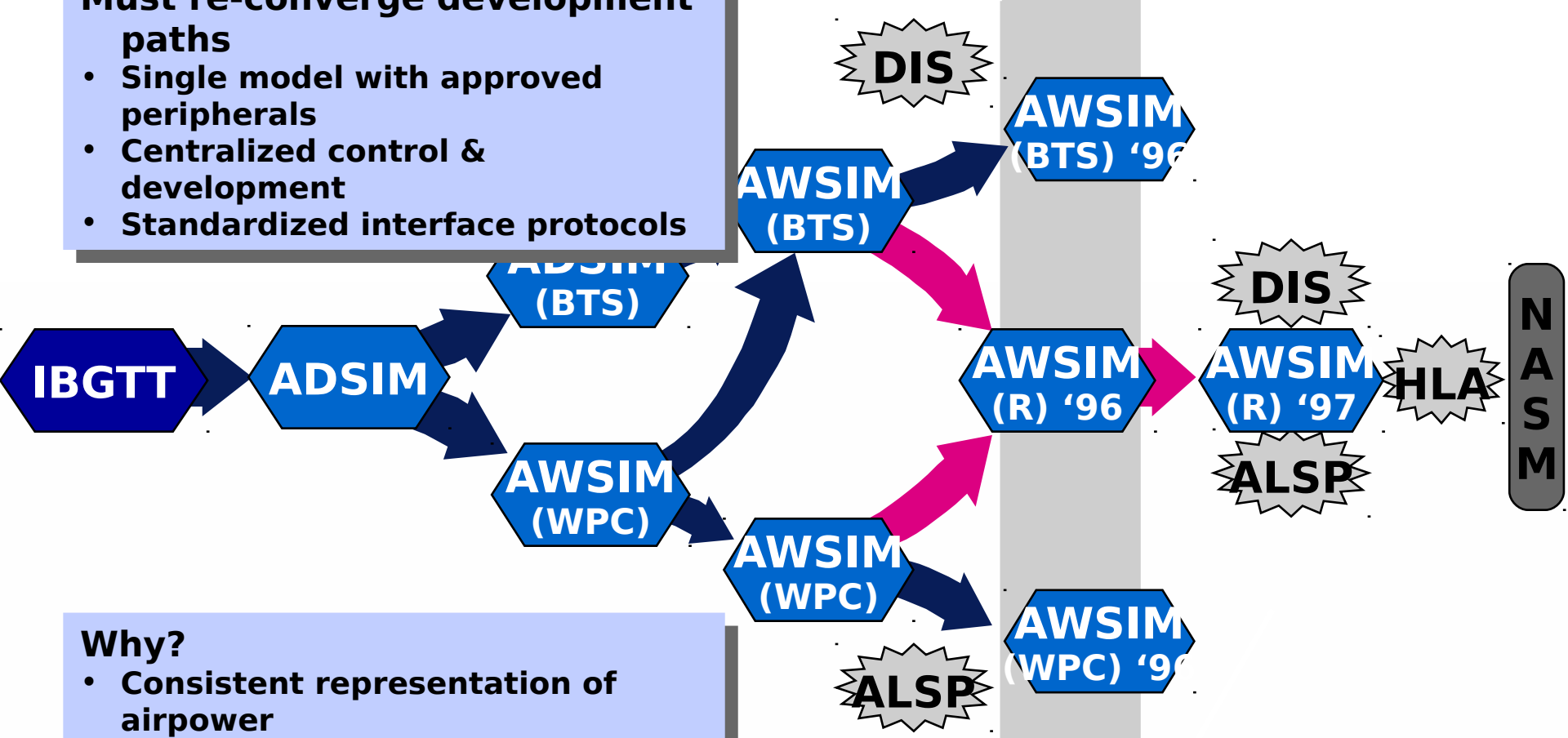


- **Conceptual Modeling Mission Space (CMMS) Technical Framework Toolset (TFT)**
- **Architecture Management Group (AMG)**
- **Joint Training Confederation (JTC)**
  - **Provides the "Air Force Suite of Models" (AFSOM), and exercise support**
    - **UFL, EXF, WPC, BTS, JWFC**
    - **ESC manages the development, exercise support, and life-cycle maintenance of AFSOM, and its primary model AWSIM (Air Warfare Simulation, pronounced "Awesome")**

NASM, an outgrowth for AFSOM

Must re-converge development paths

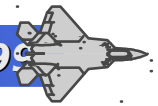
- Single model with approved peripherals
- Centralized control & development
- Standardized interface protocols



Why?

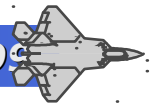
- Consistent representation of airpower
- Re-usable pieces across many sites
- Dollar constraints and DoD guidance

NASM Logistics



- **Ability to meet NASM Logistics requirements is greatly dependent on the Logistics modeling and play of the other Services and of the JSIMS "core" capability**
  - **The Air Force, through the Air and Space (A&S) Executive Agent (EA, AFAMS) continually stress Logistics requirements**
    - **A&S EA has responsibility to ensure all AF requirements are being met by the Enterprise as a whole**
  - **The Air Force, through the A&S Development Agent (DA, ESC) continually analyze Logistics implementation**
- **Your continued involvement is essential to the overall success of Logistics in NASM and JSIMS**

Summary



- **The NASM program hosts periodic Technical Interchange Meeting (TIMs)**
  - **Each focuses on user-requested topics/questions**
  - **Several Logistics TIMs have been held in the past**
  - **More will be held in the future**

- **NASM, and thus JSIMS, are your programs, so be involved**